## EXHIBIT B
### TABLE B-1

<table>
<thead>
<tr>
<th>CENTRO SUBAREA</th>
<th>BASE ANNUAL PRODUCTION (ACRE-FEET)</th>
<th>BASE ANNUAL PRODUCTION RIGHT (PERCENT)</th>
<th>FREE PRODUCTION ALLOWANCES (ACRE-FEET)</th>
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### Notes:

1. Base Annual Production is the reported maximum year production for each producer for the five year period 1986-1990. These values reflect the maximum production determined by one or more of the following: Southern California Edison records, site inspections, land use estimates from 1987 and 1989 aerial photography and responses to special interrogatories. All values are subject to change if additional information is made available, or if any value reported herein is found to be in error.

2. Base Annual Production Right expressed as a percentage of the Total Base Annual Production.

3. Values based on production ramp down of five percent (5%) per year. Free Production Allowance for the fifth year is equal to eighty percent (80%) of the Base Annual Production.
### EXHIBIT B

**TABLE B-1**

**TABLE SHOWING BASE ANNUAL PRODUCTION AND BASE ANNUAL PRODUCTION RIGHT OF EACH PRODUCER WITHIN BAJA SUBAREA TOGETHER WITH FREE PRODUCTION ALLOWANCES FOR FIRST FIVE YEARS OF THE JUDGMENT**

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## EXHIBIT B
### TABLE B-1

**TABLE SHOWING BASE ANNUAL PRODUCTION AND BASE ANNUAL PRODUCTION RIGHT OF EACH PRODUCER WITHIN BAJA SUBAREA TOGETHER WITH FREE PRODUCTION ALLOWANCES FOR FIRST FIVE YEARS OF THE JUDGMENT**

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<th>BASE ANNUAL 1 PRODUCTION (ACRE-FEET)</th>
<th>BASE ANNUAL 2 PRODUCTION RIGHT (PERCENT)</th>
<th>FREE PRODUCTION ALLOWANCES (ACRE-FEET)</th>
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<th>SECOND YEAR</th>
<th>THIRD YEAR</th>
<th>FOURTH YEAR</th>
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### Exhibit B

**Table B-1**

**Table Showing Base Annual Production and Base Annual Production Right of Each Producer Within Baja Subarea, Together with Free Production Allowances for First Five Years of the Judgment**

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<th>Producer</th>
<th>Base Annual Production (Acre-Feet)</th>
<th>Base Annual Production Right (Percent)</th>
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<th>Second Year</th>
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### EXHIBIT B
#### TABLE B-1

**TABLE SHOWING BASE ANNUAL PRODUCTION AND**
**BASE ANNUAL PRODUCTION RIGHT OF EACH PRODUCER WITHIN BAJA SUBAREA**
**TOGETHER WITH FREE PRODUCTION ALLOWANCES**
**FOR FIRST FIVE YEARS OF THE JUDGMENT**

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<th>FREE PRODUCTION ALLOWANCES (ACRE-Feet)</th>
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## Exhibit B

**Table B-1**

**Table Showing Base Annual Production and Base Annual Production Right of Each Producer Within Baja Subarea Together With Free Production Allowances for First Five Years of the Judgment**

<table>
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<tr>
<th>Producer</th>
<th>Base Annual Production (Acres-Feet)</th>
<th>Base Annual Production Right (Percent)</th>
<th>Free Production Allowances (Acres-Feet)</th>
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## EXHIBIT B

### TABLE B-1

**TABLE SHOWING BASE ANNUAL PRODUCTION AND BASE ANNUAL PRODUCTION RIGHT OF EACH PRODUCER WITHIN BAJA SUBAREA TOGETHER WITH FREE PRODUCTION ALLOWANCES FOR FIRST FIVE YEARS OF THE JUDGMENT**

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### Table B-1

**Table Showing Base Annual Production and Base Annual Production Right of Each Producer Within Baja Subarea Together With Free Production Allowances for First Five Years of the Judgment**

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<th>Baja Subarea Producer</th>
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<td>Minimal Producer Pool</td>
<td>3,500</td>
<td>5.0661</td>
<td>3,500</td>
</tr>
<tr>
<td>Unidentified/Unverified Producer Pool</td>
<td>320</td>
<td>0.4632</td>
<td>320</td>
</tr>
<tr>
<td>Baja Subarea Totals</td>
<td>69,087</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

1. Base Annual Production is the reported maximum year production for each producer for the five year period 1986-1990. These values reflect the maximum production determined by one or more of the following: Southern California Edison records, site inspection, land use estimates from 1987 and 1989 aerial photography and responses to special interrogatories. All values are subject to change if additional information is made available, or if any value reported herein is found to be in error.

2. Base Annual Production Right expressed as a percentage of the Total Base Annual Production.

3. Values based on production ramp down of five percent (5%) per year. Free Production Allowance for the fifth year is equal to eighty percent (80%) of the Base Annual Production.
### EXHIBIT B
### TABLE B-2
### TABLE SHOWING TOTAL WATER PRODUCTION FOR AQUACULTURE AND RECREATIONAL LAKE PURPOSES ALTO SUBAREA

<table>
<thead>
<tr>
<th>PRODUCER</th>
<th>TOTAL WATER PRODUCTION</th>
<th>BASE ANNUAL PRODUCTION</th>
<th>RECIRCULATED WATER</th>
</tr>
</thead>
<tbody>
<tr>
<td>CDFG - MOJAVE RIVER FISH HATCHERY</td>
<td>10,678</td>
<td>20</td>
<td>10,658</td>
</tr>
<tr>
<td>JESS RANCH WATER COMPANY</td>
<td>18,625</td>
<td>7,480</td>
<td>11,145</td>
</tr>
<tr>
<td><strong>ALTO SUBAREA TOTALS =</strong></td>
<td><strong>29,303</strong></td>
<td><strong>7,500</strong></td>
<td><strong>21,803</strong></td>
</tr>
</tbody>
</table>

Total Water Production is the reported maximum year production for each producer for the five year period 1986-1990. These values reflect the maximum production determined by one or more of the following: Southern California Edison records; James C. Hanson site inspection; land use estimates from 1989 aerial photography; responses to special interrogatories. All values are subject to change if additional information is made available, or if any value reported herein is found to be in error.

2 Base Annual Production as shown on Table B-1.
3 Amount shown is the difference between the Total Water Production and the Base Annual Production.
### EXHIBIT B

**TABLE B-2**

**TABLE SHOWING TOTAL WATER PRODUCTION FOR AQUACULTURE AND RECREATIONAL LAKE PURPOSES BAJA SUBAREA**

<table>
<thead>
<tr>
<th>PRODUCER</th>
<th>TOTAL WATER PRODUCTION</th>
<th>BASE ANNUAL PRODUCTION</th>
<th>RECIRCULATED WATER</th>
</tr>
</thead>
<tbody>
<tr>
<td>BROWY, ORVILLE &amp; LOUISE</td>
<td>210</td>
<td>33</td>
<td>177</td>
</tr>
<tr>
<td>CALICO LAKES HOMEOWNERS ASSOCIATION</td>
<td>2,513</td>
<td>1,031</td>
<td>1,482</td>
</tr>
<tr>
<td>CDFC - CAMP CADY</td>
<td>102</td>
<td>14</td>
<td>88</td>
</tr>
<tr>
<td>CHEYENNE LAKE, INC</td>
<td>638</td>
<td>122</td>
<td>516</td>
</tr>
<tr>
<td>CRYSTAL LAKES PROPERTY OWNERS ASSOCIATION</td>
<td>6,575</td>
<td>447</td>
<td>6,128</td>
</tr>
<tr>
<td>DESERT LAKES CORPORATION - (LAKE DOLORES)</td>
<td>928</td>
<td>483</td>
<td>445</td>
</tr>
<tr>
<td>FUNDAMENTAL CHRISTIAN ENDEAVOR</td>
<td>440</td>
<td>285</td>
<td>155</td>
</tr>
<tr>
<td>HORTON'S CHILDREN'S TRUST</td>
<td>1,291</td>
<td>106</td>
<td>1,185</td>
</tr>
<tr>
<td>HORTON, JOHN MD</td>
<td>672</td>
<td>183</td>
<td>489</td>
</tr>
<tr>
<td>KIEL, MARY</td>
<td>188</td>
<td>34</td>
<td>154</td>
</tr>
<tr>
<td>LAKE JODIE PROPERTY OWNERS ASSOCIATION</td>
<td>2,805</td>
<td>254</td>
<td>2,551</td>
</tr>
<tr>
<td>LAKE WAIKIKI</td>
<td>400</td>
<td>98</td>
<td>302</td>
</tr>
<tr>
<td>LAKE WAINANI OWNERS ASSOCIATION</td>
<td>1,420</td>
<td>202</td>
<td>1,218</td>
</tr>
<tr>
<td>LEE, MOON &amp; OKBEA</td>
<td>171</td>
<td>49</td>
<td>122</td>
</tr>
<tr>
<td>OFDL INC</td>
<td>434</td>
<td>109</td>
<td>325</td>
</tr>
<tr>
<td>RICE, DANIEL &amp; MARY</td>
<td>614</td>
<td>121</td>
<td>493</td>
</tr>
<tr>
<td>SCOGGINS, JERRY</td>
<td>922</td>
<td>105</td>
<td>817</td>
</tr>
<tr>
<td>SILVER VALLEY RANCH, INC</td>
<td>455</td>
<td>109</td>
<td>346</td>
</tr>
<tr>
<td>SMITH, WILLIAM E</td>
<td>153</td>
<td>19</td>
<td>134</td>
</tr>
<tr>
<td>SUNDOWN LAKES, INC</td>
<td>1,109</td>
<td>168</td>
<td>941</td>
</tr>
<tr>
<td>TAPE, RAYMOND &amp; MURIEL</td>
<td>108</td>
<td>18</td>
<td>90</td>
</tr>
<tr>
<td>THAYER, SHARON</td>
<td>159</td>
<td>58</td>
<td>101</td>
</tr>
<tr>
<td>WET SET, INC</td>
<td>441</td>
<td>129</td>
<td>312</td>
</tr>
<tr>
<td>WLSR INC</td>
<td>678</td>
<td>133</td>
<td>545</td>
</tr>
<tr>
<td>PRODUCER</td>
<td>TOTAL WATER PRODUCTION</td>
<td>BASE ANNUAL PRODUCTION</td>
<td>RECIRCULATED WATER</td>
</tr>
<tr>
<td>----------</td>
<td>------------------------</td>
<td>------------------------</td>
<td>--------------------</td>
</tr>
<tr>
<td>BAJA SUBAREA TOTALS =</td>
<td>23,426</td>
<td>4,310</td>
<td>19,116</td>
</tr>
</tbody>
</table>

1 Total Water Production is the reported maximum year production for each producer for the five year period 1986-1990.
   These values reflect the maximum production determined by one or more of the following: Southern California Edison records; James C. Hanson site inspection; land use estimates from 1989 aerial photography; responses to special interrogatories. All values are subject to change if additional information is made available, or if any value reported herein is found to be in error.

2 Base Annual Production as shown on Table B-1.

3 Amount shown is the difference between the Total Water Production and the Base Annual Production.
EXHIBIT C

ENGINEERING APPENDIX

CONTENTS

A. ADJUSTMENT OF FREE PRODUCTION ALLOWANCES

B. DETERMINATION OF SURFACE FLOW COMPONENTS

TABLE C-1: MOJAVE BASIN AREA ADJUDICATION SUBAREA HYDROLOGICAL INVENTORY BASED ON LONG-TERM AVERAGE NATURAL WATER SUPPLY AND OUTFLOW AND CURRENT YEAR IMPORTS AND CONSUMPTIVE USE
EXHIBIT C

ENGINEERING APPENDIX

The purpose of this Engineering Appendix is to establish the basis for measurements, calculations and determinations required in the operation of the Physical Solution.

A. Adjustment of Free Production Allowances. In the preparation of the report required by Paragraph 24 (c) of this Judgment, the Watermaster shall take into account all available pertinent hydrologic data and estimates, including at least the factors, or changes in the factors, shown in the attached Table C-1, "MOJAVE BASIN AREA ADJUDICATION SUBAREA HYDROLOGICAL INVENTORY BASED ON LONG-TERM AVERAGE NATURAL WATER SUPPLY AND OUTFLOW AND CURRENT YEAR IMPORTS AND CONSUMPTIVE USE," and changes in storage as determined by well levels, the factors listed in Paragraph 2(a) of Exhibit "H", and other pertinent data. The numbers for each of the factors for each Subarea shown in Table C-1 are Sample Numbers only, and are not intended to be used in determining actual water supply, Consumptive Use and outflow, or Free Production Allowance of the Subareas.

B. Determination of Surface Flow Components. The procedures used to determine the historical surface flow components of the Mojave River at various locations are summarized below.

1. Determination of Surface Flow Components at Lower Narrows. Since the records available for the discharge of the Mojave River at Lower Narrows only provide data on the total amount of surface flow and since Storm Flow occurs during and following periods of rainfall, it was necessary to determine what portion of
total measured surface flow at Lower Narrows was Storm Flow and what portion was Base Flow.

The Parties in reaching the physical solution provided for in the Judgment, used certain procedures to separate the Storm Flow and Base Flow components of the total measured surface flow at Lower Narrows. Hydrographs of the mean daily discharge at Lower Narrows were plotted for the Year under consideration together with corresponding rainfall data obtained from the National Oceanic and Atmospheric Administration (NOAA) for Lake Arrowhead. Hydrographs were also plotted for the combined flow of West Fork Mojave River and Deep Creek which together with the Lake Arrowhead precipitation data served as a guide for interpreting those periods during which Storm Flow was likely to have occurred at Lower Narrows.

Other factors considered included:

- Occurrences of Storm Flow at Barstow and Afton Canyon,
- Precipitation at Victorville and Barstow,
- Consideration of the time of Year and temperature,
- Shape of hydrographs for Years having similar Base Flow characteristics.

Based on interpretation of all of the foregoing information, the flows occurring on those days during which Storm Flow most likely occurred were "scalped" by projecting an estimated Base Flow Curve through the Storm Flow Period. The Base Flow component of the total monthly flow was then determined as follows:

a. For those periods during which there was obviously no Storm Flow, the entire recorded mean daily flows were assumed to be Base Flow.
b. For the remaining Storm Flow periods, the Base Flow component was taken as the area under the Base Flow Curve, except that for those days within the Storm Flow period when the actual mean daily discharge is less than the amount indicated by the Base Flow Scalping Curves, then the actual recorded amount is used.

2. Determination of Surface Flow Components at Waterman Fault. The total amount of surface flow passing the Waterman Fault (under current riverbed conditions) is considered to be Storm Flow and can be estimated from the Storm Flow passing the USGS gauging station Mojave River at Barstow. The following table was developed to provide a method for estimating flow at Waterman Fault:

<table>
<thead>
<tr>
<th>Storm Flow At Barstow Gage(^1) (Acre-Feet)</th>
<th>Estimated Surface Flow at Waterman Fault (Acre-Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2,000</td>
<td>0</td>
</tr>
<tr>
<td>10,000</td>
<td>6,200</td>
</tr>
<tr>
<td>20,000</td>
<td>14,300</td>
</tr>
<tr>
<td>30,000</td>
<td>22,600</td>
</tr>
<tr>
<td>40,000</td>
<td>31,400</td>
</tr>
<tr>
<td>50,000</td>
<td>40,500</td>
</tr>
<tr>
<td>60,000</td>
<td>49,200</td>
</tr>
<tr>
<td>70,000</td>
<td>58,400</td>
</tr>
<tr>
<td>80,000</td>
<td>67,800</td>
</tr>
<tr>
<td>90,000</td>
<td>76,800</td>
</tr>
<tr>
<td>100,000</td>
<td>85,400</td>
</tr>
</tbody>
</table>

\(^1\)From Recorded Flow at USGS Gaging Station Mojave River at Barstow. Relationship is based on single storm events. More than one storm event separated by more than five day of zero flow will be considered as separate storms.
3. **Determination of Surface Flow Components at Afton.**

Records available for the discharge of the Mojave River at Afton, California, provide data on the total mount of surface flow and since storm runoff occurs during and immediately following a major storm event in the watershed area tributary to the Baja Basin below Barstow or in the event of large Storm Flows at Barstow which reach Afton, it was necessary to determine what portion of the total measured surface flow at Afton is Storm Flow and what portion of Base Flow.

The Parties, in reaching the physical solution provided for in the Judgment, used certain procedures to separate the Storm Flow and Base Flow components of the total measured surface flow at Afton. Hydrographs of the mean daily discharge at Afton were plotted for the water Year under consideration. In the absence of Storm Flow, the Base Flow curve at Afton was generally a relatively constant amount. Storm Flows were evidenced by sharp spikes or abrupt departures from the antecedent Base Flow and a fairly rapid return to pre-storm Base Flow Condition. The hydrograph of flows at Barstow served as a guide for identifying those periods during which Storm Flow was likely to have occurred at Afton.

Based on interpretation of all of the foregoing information, the flows occurring on those days during which Storm Flow most likely occurred were "scalped" by projecting an estimated Base Flow Curve through the Storm Flow Period. The Base Flow component of the total monthly flow was then determined as follows:

a. For those periods during which there is obviously no Storm Flow, the entire recorded mean daily flows were assumed to be Base Flow.
b. For the remaining Storm Flow periods, the Base Flow component was taken as the area under the Base Flow Curve except that for those days within the Storm Flow period when the actual mean daily discharge was less than the amount indicated by the Base Flow Scalping Curves, then the actual recorded amount was used.

4. Engineers' Work Papers. These procedures are reflected in the Work Papers of the Engineers, copies of which are filed with the Watermaster.
### TABLE C-1
Mojave Basin Area Adjudication
Subarea Hydrological Inventory Based On
Long-Term Average Natural Water Supply and Outflow
and Current Year Imports and Consumptive Use
(All Amounts in Acre-Feet)

<table>
<thead>
<tr>
<th>WATER SUPPLY</th>
<th>Este</th>
<th>Oeste</th>
<th>Alto</th>
<th>Centro</th>
<th>Baja</th>
<th>Basin Totals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface Water Inflow</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gaged</td>
<td>0</td>
<td>0</td>
<td>65,000</td>
<td>0</td>
<td>0</td>
<td>65,000</td>
</tr>
<tr>
<td>Ungaged</td>
<td>1,700</td>
<td>1,500</td>
<td>3,000</td>
<td>37,300</td>
<td>14,300</td>
<td>6,500</td>
</tr>
<tr>
<td>Subsurface Inflow</td>
<td>0</td>
<td>0</td>
<td>1,000</td>
<td>2,000</td>
<td>1,200</td>
<td>0</td>
</tr>
<tr>
<td>Deep Percolation of Precipitation</td>
<td>0</td>
<td>0</td>
<td>3,500</td>
<td>0</td>
<td>100</td>
<td>3,600</td>
</tr>
<tr>
<td>Imports</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Lake Arrowhead CSD</td>
<td>0</td>
<td>0</td>
<td>1,500</td>
<td>0</td>
<td>0</td>
<td>1,500</td>
</tr>
<tr>
<td>Big Bear ARWWA</td>
<td>2,000</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>2,000</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td>3,700</td>
<td>1,500</td>
<td>74,000</td>
<td>39,300</td>
<td>15,600</td>
<td><strong>78,600</strong></td>
</tr>
</tbody>
</table>

### CONSUMPTIVE USE AND OUTFLOW

| Surface Water Outflow             |      |       |      |       |       |              |
| Gaged                            | 0    | 0     | 0    | 8,200 | 0    | 8,200        |
| Ungaged                          | 0    | 0     | 37,300| 0     | 0    | 37,300       |
| Subsurface Outflow               | 0    | 0     | 14,000| 0     | 0    | 14,000       |
| Consumptive Use                  |      |       |       |       |       |              |
| Agriculture                      | 6,800| 3,200 | 16,100| 20,300| 30,200| 76,500       |
| Urban                            | 1,900| 1,200 | 36,700| 8,500 | 9,700| 54,600       |
| Phreatophytes                    | 0    | 0     | 5,100 | 900   | 1,500| 7,500        |
| Exports                          |      |       |       |       |       |              |
| **TOTAL**                        | 8,700| 4,900 | 97,000| 45,900| 49,600| 150,800      |

**Surplus / (Deficit):**

- **Total Estimated Production (Current Year):**
  - 15,700
  - 7,600
  - 98,900
  - 46,500
  - 54,300
  - 223,000

**Production Safe Yield (Current Year):**

- 10,500
- 4,200
- 75,900
- 39,900
- 20,300
- 150,800

---

1. Estimated from reported flows at USGS gaging station, Mojave River at Victorville Narrows.
2. Includes 14,000 acre-feet of Mojave River surface flow across the Waterman Fault estimated from reported flows at USGS gaging station, Mojave River at Barstow, and 300 acre-feet of local surface inflow from Kane Wash.
3. Represents the sum of Este (1,700 af), Oeste (1,500 af), Alto (3,000 af) and Baja (300 af from Kane Wash).
4. Inter-subarea subsurface flows do not accrue to the total basin water supply.
5. Estimated from reported flows at USGS gaging station, Mojave River at Barstow.
7. For purposes of this Table, the current year is 1990.
EXHIBIT D

TIME SCHEDULES
EXHIBIT D
TIME SCHEDULES

1. **Prior Year Report.** Annually not later than February 1 Watermaster shall provide to each Party a report covering the prior Year and setting forth at least the following:
   
   a. Each Producer's Replacement Water Assessment, including any surcharges, based on rates applicable during the prior Year.
   
   b. Each Producer's Makeup Water Assessment, based on rates applicable during the prior water Year.

2. **MWA Supplemental Water Rates.** Annually, not later than December 1, MWA shall set the rates per acre foot to be charged for Supplemental Water for the following Year, and shall project the rates for the following two Years.

3. **Budget and Assessment Rates.** Annually, not later than February 1, Watermaster shall provide to all Parties its proposal for its Administrative Budget, Administrative Assessment Rates, Replacement Water Rates, and Makeup Water Rates for the next ensuing Year and its rate projections for the next two (2) years. No later than March 1 of each Year, the Watermaster shall hold a public hearing to receive comments from Parties as to its proposal. Not later than April 1 of each Year, Watermaster shall adopt its final Budget and assessment rates for the next ensuing Year, and shall notify all Parties of its final Budget and Assessments rates within fifteen (15) days of adoption.

4. **Free Production Allowance Adjustment.** In any Year that Watermaster prepares a report pursuant to Paragraph 24 (o) of this Judgment that includes a recommendation for an adjustment of a Free
Production Allowance, Watermaster shall notify all Parties as to its recommendation not later than February 1, shall hold a public hearing thereon not later than March 1, and shall submit any such recommendation, which may be revised pursuant to the public hearing, to the Court not later than April 1.

5. **Payment of Administrative Assessments and Biological Resource Assessments.** Each Producer shall submit quarterly along with the Production report required by Paragraph 24 (p) an Administrative Assessment payment in an amount equal to the current Year Administrative Assessment Rate multiplied times the acre-feet of water Produced during the quarter and a Biological Resource Assessment payment in an amount equal to the current Year Biological Resource Assessment Rate multiplied times the acre-feet of water Produced during the quarter.

6. **Payment of Replacement Water Assessments and Makeup Water Assessments.** Replacement Water Assessments and Makeup Water Assessments for the prior Year shall be due and payable on July 1.

7. **Delinquency of Assessments.** Any assessment payable pursuant to this Judgment shall be deemed delinquent: i) if paid in Person, if not paid within five (5) days of the date due; ii) if paid by electronic funds transfer, if not paid within three (3) banking days of the date due; or iii) if paid by any other means, if not paid within ten (10) days of the date due. "Payment" shall occur when good and sufficient funds have been received by the Watermaster. Any assessment shall also be deemed delinquent in the event that any attempted payment is by funds that are not good and sufficient.
EXHIBIT E

LIST OF PRODUCERS AND THEIR DESIGNEES
EXHIBIT E

PRODUCER

ABBOND, EDWARD & GRACE
ABBOTT, LEONARD C
ABSHIRE, DAVID V
ADELANTO, CITY OF
ADELANTO, CITY OF/GEORGE AFB
AEROCHM, INC
AGCON, INC
AGCON, INC.
AGUAYO, JEANETTE L.
AKE, CHARLES J & MARJORIE M
ANDERSON, ROSS C & BETTY J
ANGERER, ROBERT J & PEGGY
ANTELOPE VALLEY DAIRY
APPLE VALLEY COUNTRY CLUB
APPLE VALLEY DEVELOPMENT
APPLE VALLEY FOOTHILL CO WATER
APPLE VALLEY HEIGHTS CO. WATER
APPLE VALLEY RANCHOS WATER
APPLE VALLEY REC. & PARKS
APPLE VALLEY VIEW MUTUAL WATER CO.
APPLE VALLEY, TOWN OF
ARC LAS FLORES
ARGUELLES, ALFREDO
ATCHISON, TOPEKA, SANTA FE
ATCHISON, TOPEKA, SANTA FE
AVDEEF, THOMAS & LUCILLE
AZTEC FARM DEVELOPMENT CO
BACA, ENRIQUE
BAGLEY, ROY
BALDERRAMA, ALFRED & LINDA
BALDY MESA WATER DISTRICT

DESIGNEE

Same
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Same
Michael B. Jackson, Esq.
James Heiser, Esq.
Robert E. Hove
Robert E. Hove
Same
Same
Same
Dick Van Dam
Terry Caldwell, Esq.
Same
Doreen Ryssel
Elizabeth Hanna, Esq.
Fredric Fudacz, Esq.
Elizabeth Hanna, Esq.
Joseph Saltmeris, Esq.
Sandra Dunn, Esq.
William De Wolfe, Esq.
Therese Parker, Esq.
Curtis Ballantyne, Esq.
Curtis Ballantyne, Esq.
Same
Al Jackson
Same
Same
Same
William Smillie
PRODUCER
BALL, DAVID P
BAR H MUTUAL WATER COMPANY
BARAK, RICHARD
BARBER, JAMES B
BARNES, FAY
BARSTOW CALICO K O A
BASS, NEWTON T
BASTIANNON, REMO
BASURA, STEVE
BAUR, KARL & RITA
BEDINGFIELD, LYNDELL&CHARLENE
BEINSCHROTH, A J
BELL, CHUCK
BENTON, PHILIP G
BORGOGNO, STEVEN & LILLIAN
BOWMAN, EDWIN L
BOYCE, KENNETH & WILLA
BROMMER, MARVIN
BROWN, BOBBY G & VALERIA R
BROWN, DOUG & SUE
BROWN, RONALD A
BROWY, ORVILLE & LOUISE
BRUINS, NICHOLAS
BURNS, BOBBY J & EVELYN J
BURNS, RITA J & PAMELA E
BURNS, ANNIE L
CALICO LAKES HOMEOWNERS
CALIF DEPT OF TRANSPORTATION
CAMPBELL, M A & DIANNE
CARDOZO, MANUEL & MARIA
CARTER, JOHN THOMAS
CASA COLINA FOUNDATION
CDFG - CAMP CADY

DESIGNEE
Same
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Therese Parker, Esq.
Same
Kirtland Mahlum, Esq.
Robert L. Moore
Barbara Davisson, Business Manager
Same
Same
Same
Same
Same
Same
Same
Same
Same
Same
Same
Same
Therese Parker, Esq.
Same
Same
Same
Same
Same
Same
Same
Billy Wyckoff
Alexander De Vorkin, Esq.
Same
Robert Dougherty, Esq.
Therese Parker, Esq.
Charles E. Schwartz
Marilyn Levin, Esq.
PRODUCER
CDFG - MOJAVE NARROWS REG.
CDFG - MOJAVE RIVER FISH
CENTER WATER CO
CHAPA, LARRY R
CHAMISAL MUTUAL
CHANG, TIMOTHY & JANE
CHASTAIN, W C
CHEYENNE LAKE, INC
CHIAO MEI DEVELOPMENT
CHO BROTHERS RANCH
CHOI, YONG IL & JOUNG AE
CHRISTISON, JOEL
CHUANG, MARSHAL
CLARK, KENNETH R
CLEAR VIEW FARMS
CLUB VIEW PARTNERS
CONNER, WILLIAM H
COOK, KWON W
COOL WATER RANCH
COPELAND, ETAL
CRAMER, MARGARET MUIR
CROSS, LAWRENCE E & SHARON I
CRYSTAL HILLS WATER COMPANY
CRYSTAL LAKES PROPERTY OWNERS
CUNNINGHAM, WILLIAM
DAGGETT COMMUNITY SERVICES
DAHLQUIST, GEORGE R
DALJO CORPORATION
DAVIS, Paul
DAVIS, RONALD & DONNA
DEJONG, ALAN L
DEMPSEY, ROBERT H
DENNISON, QUENTIN c/o Clegg, Frizell & Joke

DESIGNEE
Marilyn Levin, Esq.
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Maple Sia
Chung Cho Gong
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Same
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Terry Caldwell, Esq.
Manoucher Sarbaz
Same
Same
Paul Henderson, Esq.
Don W. Little
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Same
Same
Russell Khouri
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Lawrence Alf, CSD Chairman
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George Rubsch
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Therese Parker, Esq.
Same
PRODUCER
DESERD DAWN MUTUAL WATER COMPANY
DESERD LAKES CORPORATION - (LAKE DOLORES)
DESERD COMMUNITY BANK
DEVRIES, NEIL
DEXTER, CLAIR F
DEXTER, J P
DIBERNARDO, JOHN
DOCIMO, DONALD P & PATRICIA J
DOLCH, ROBERT & JUDY
DOMBROWSKI, MICHAEL W & SUSAN M
DONALDSON, JERRY & BEVERLY
DOSEY, D A
DOWSE, PHILIP
DURAN, FRANK T
ELLISON, SUSAN
EVENSON, EDWIN H & JOYCELAINE
EVKHANIAN, JAMES H & PHYLLIA
FAWCETT, EDWARD C
FELIX, ALAN E & CAROL L
FERRO, DENNIS & NORMA
FISHER, DR DOLORES
FISHER, JEROME
FITZWATER, R E
FRIEND, JOSEPH & DEBORAH
FUNDAMENTAL CHRISTIAN ENDEAVOR
GAETA, TRINIDAD C/O BLUE BEAD FARMS
GAINES, JACK & MARY
GARCIA, DANIEL
GARCIA, SONIA L
GAYJKIAN, SAMUEL & HAZEL
GESIRIECH, WAYNE
GILBERT, HERBERT & BERNICE
GOLD, HAROLD

DESIGNEE
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Robert Dougherty, Esq.
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PRODUCER
GOMEZ, CIRIL - LIVING TRUST
GORMAN, VIRGIL
GRACETOWN INVESTMENT CO - JETCO PROP FUND
GRAVES, CHESTER B
GREEN ACRES ESTATES
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GRILL, NICHOLAS P & MILLIE D
GROEN, CORNELIUS
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GUBLERSON, MERLIN
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HARPER LAKE CO;UC OPERATING/HARPER DRY LAKE
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HARTER FARMS
HARTER, JOE & SUE
HARTLEY, LONNIE
HARVEY, FRANK
HELENDALE SCHOOL DISTRICT
HENDLEY, RICK & BARBARA
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HILARIDES, FRANK
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HITCHIN LUCERNE, INC
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INDUSTRIAL ASPHALT
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JACKSON, RAY
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JESS RANCH WATER COMPANY
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JOHNSON, LARRY & CARLEAN
JOHNSON, RONALD
JOHNSTON, HARRIET AND LARRY W
JORDAN, RAYMOND
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LAKE WAINANI OWNERS ASSOCIATION
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LEVINE, DR LESLIE
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Lopez, Baltazar
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LUCERNE VALLEY MUTUAL WATER COMPANY
LUCERNE VALLEY PARTNERS
LUCERNE VISTA WATER CO
LUCKEY, MANLEY J
LUDINGTON, JAMES E & JO ANN
LUTH, KEN
LYON, LOUIS & ERIKA
MAHJOUBI, AFSAR S
MALIN, LILY
MALONEY, JANICE
MARCROFT, JAMES A & JOAN
MARIANA RANCHOS COUNTY WATER DISTRICT
MARSHALL, CHARLES
MARTIN, LENDELL
MAYBERRY, DONALD J & SANDRA D
M BIRD CONSTRUCTION
MCCALL, REX
MCCOLLUM, CHARLES L
MCINNIS, WILLIAM S
MEAD, G C
MEADOWBROOK DAIRY
MEYERS, LONNIE
MILBRAT, IRVING & DIXIE
MITCHELL, CHARLES A
MITCHELL, CHARLOTTE
MITCHELL, JAMES L & CHERYL A
MITCHELL, ROBIN & JUDITH
MITSUBISHI CEMENT CORPORATION
MOFFITT, THOMAS R & EDITH I
MONACO INVESTMENT COMPANY
MOORE, WAYNE G & JULIA H
MORRIS, JULIA V
MOSS, LAWRENCE W & HELEN J

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Manoucher Sarbaz
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Gary Shelton
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Therese Parker, Esq.
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Michael Davis, Esq.
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Manoucher Sarbaz
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<td>Therese Parker, Esq.</td>
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<td>MUTUAL FUNDING CORP</td>
<td>Ron Yee-Dong, President</td>
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<td>Ed Dygert, Esq.</td>
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<td>Richard Sivkin, Esq.</td>
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<td>Virginia Cahill, Esq.</td>
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<td>Robert Dougherty, Esq.</td>
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<td>Vince Dommarito, Area Manager</td>
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<td>Robert Dougherty, Esq.</td>
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<td>Therese Parker, Esq.</td>
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PRODUCER
PETTIGREW, DAN
PETTIGREW, HOWARD L
PETTIS FAMILY TRUST
P G & E
PHENIX PROPERTIES LTD
PITT, LEROY W
PITTS, JOE & STELLA
PLUESS-STAUER CALIFORNIA INC
POHL, ANDREAS & CATHLYN
POLAND, JOHN R & SANDRA M
POLICH, LEE & DONNA
PRICE, ALAN E
PRICE, DONALD & RUTH
PUCKHABER TRUST, WILLIAM F
PURCIO, THOMAS F & PATRICIA A
RANCHERITOS MUTUAL WATER CO
RANDOLPH, JOAN E
REDDY, BOMMI V & KARUNA V
REED, MIKE
REEVES, RICHARD
RÉSEQUE, JOHN & BILL
RICE, DANIEL & MARY
RICE, HENRY C & DIANA
RIEGER, WALTER M
RIKUO CORPORATION
RIVERSIDE CEMENT CO - ORO GRANDE PLANT
ROGERS, ROY
ROGERS, ROY (ORO GRANDE RANCH)
ROSSI, JAMES L & NAOMI I
ROTEX CONSTRUCTION COMPANY
ROWLAND, JAMES & HELEN
RUDMAN, ROBERT T
RUE RANCH

DESIGNEE
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Therese Parker, Esq.
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Elizabeth Taylor, Manager
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Joseph Deering, Jr., Esq.
Warren P. Felger, Esq.
Terry Caldwell, Esq.
Terry Caldwell, Esq.
Same
Yong Cho
Same
Terry Caldwell, Esq.
Joe Zack Feltz, President
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<td>William Smillie</td>
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<td>SHORT, CHARLES &amp; MARGARET</td>
<td>Therese Parker, Esq.</td>
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<td>SHORT, JEFF</td>
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<td>SILVER LAKES ASSOCIATION</td>
<td>Michael Davis, Esq.</td>
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<td>SILVER VALLEY RANCH, INC</td>
<td>Richard A. Ruben, Esq.</td>
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<td>SMITH, ROBERT A</td>
<td>Therese Parker, Esq.</td>
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<td>SNYDER, KRYL K &amp; ROUTH, RICHARD J</td>
<td>Terry Caldwell, Esq.</td>
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<td>SON'S RANCH</td>
<td>Therese Parker, Esq.</td>
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<td>SOPPELAND, WAYNE</td>
<td>Terry Caldwell, Esq.</td>
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<td>SOUTHERN CALIFORNIA EDISON CO - AGRICULTURE</td>
<td>Douglas Ditonto, Esq.</td>
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<td>Douglas Ditonto, Esq.</td>
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<td>SOUTHERN CALIFORNIA GAS COMPANY</td>
<td>Jane Goichman, Esq.</td>
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<td>SOUTHERN CALIFORNIA WATER CO</td>
<td>Arthur Kidman, Esq.</td>
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<td>SOUTHERN CALIFORNIA WATER CO, SOUTHDOWN, INC.</td>
<td>Steve Abbott, Esq.</td>
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<td>Arthur Kidman, Esq.</td>
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<td>SOUTHERN CALIFORNIA WATER CO</td>
<td>Arthur Kidman, Esq.</td>
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<tr>
<td>SPECIALTY MINERALS, INC</td>
<td>Michael Davis</td>
</tr>
</tbody>
</table>
PRODUCER

SPILLMAN, JAMES R & NANCY J
SPINK, WALTHALL
SPRING VALLEY LAKE ASSOCIATION
SPRING VALLEY LAKE COUNTRY CLUB
ST ANTHONY COPTIC ORTHODOX MONASTERY
DONALD B ST CHARLES, ATTY AT LAW
STEWART WATER COMPANY
STEWART, STANLEY & PATRICIA
STORM, RANDALL
STRINGER, W EDWARD
SUDMEIER, GLENN W
SUGA, TAKEAKI
SUMMIT VALLEY RANCH
SUNDOWN LAKES, INC
SUN & SKY COUNTRY CLUB
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TAYLOR, TOM
THAYER, SHARON
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TURNER, ROBERT
UNION PACIFIC RAILROAD COMPANY
VAIL, JOSEPH B & PAULA E
VAN BASTELAAR, ALPHONSE
VAN DAM BROTHERS
VAN DAM, ELDERT & SUSAN
VAN DIEST, CORNELIUS
VAN LEEUWEN FAMILY TRUST
VAN LEEUWEN, JOHN
VAN VLIET, HENDRIKA
VANDER DUSSEN, ED
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VAN BURGER, CARL c/o CVB INVESTMENT
VAUGHT, ROBERT E. & KAREN M.
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VICTOR VALLEY COMMUNITY COLLEGE DIST
VICTOR VALLEY WATER DISTRICT
VICTORVILLE, CITY OF
VISOSKY JR, JOSEPH F
VISSER, ANNIE
VOGLER, ALBERT H
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WAKULA, JOHN & HELEN
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WEBER, F R & JUNELL
WEBSTER, THOMAS M & PATRICIA J

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Jack W. Evarone, Esq.
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WEISER, SIDNEY & RAQUEL
WEST, CAROLYN & SMITH, RICHARD
WEST, HOWARD & SUZY
WESTERN HORIZON ASSOCIATES INC
WESTERN ROCK PRODUCTS
WET SET, INC
WHITTINGHAM, RICHARD V
WILLOW WELLS MUTUAL WATER COMPANY
WITTE, E DANIEL & MARCIA
WLSR INC
WOO, CHEN C/O ASTER DUCK CO
WORSEY, JOSEPH A & REVAE
YANG, YOUNG MO
YARD, WILLIAM & BETTY
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YERMO WATER COMPANY
YKEMA HARMSEN DAIRY
YKEMA TRUST
YOUNG, KEITH O - (DESERT TURF)

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Steve Winfield
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Roger Luebs, Esq.
Donald Walker
Therese Parker, Esq.
Therese Parker, Esq.
EXHIBIT F

TRANSFERS OF BASE ANNUAL PRODUCTION RIGHTS.
EXHIBIT F

TRANSFERS OF
BASE ANNUAL PRODUCTION RIGHTS

1. Transferability. Any Base Annual Production Right, including any Carryover Right (Right) or any portion thereof may be sold, assigned, transferred, licensed or leased subject to the rules set forth in this Exhibit "F".

2. Consumptive Use Adjustments. A transferred Right shall be adjusted so as not to cause an increased Consumptive Use of water. For either inter Subarea or intra Subarea transfers, if the transferee's Consumptive Use of water produced under the transferred Right would be at a higher rate than that of transferor, the transferred Right shall be reduced by Watermaster to a level that equalizes the Consumptive Use to that of transferor. Any such adjustments by Watermaster shall be made using the following Consumptive Use rates. If a transfer would cause the same or a decreased Consumptive Use, no adjustment shall be made.

<table>
<thead>
<tr>
<th>Type of Water Use</th>
<th>Consumptive Use Rate</th>
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<tr>
<td>Municipal</td>
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<tr>
<td>Irrigation</td>
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<tr>
<td>Industrial</td>
<td>case by case</td>
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<tr>
<td>Lakes or Aquaculture</td>
<td>surface acres x 7 ft.</td>
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For mixed or sequential uses of water excluding direct reuse of municipal wastewater, the total acre-feet of Consumptive Use shall be the sum of Consumptive Uses for each use.
3. **Notice to Watermaster.** No transfer shall become operable until the Parties to the transfer have jointly notified Watermaster of the terms and conditions of the transfer, the price to be paid by the transferee, the name of the Responsible Party and the name of the Person who will pay any applicable Assessments. Intra-Subarea transfers shall not require Watermaster authorization after giving notice. No inter-Subarea transfer shall become operable until authorized by Watermaster after giving notice. Watermaster shall authorize such transfers in the order of the date of notice, provided that funds are available as set forth in Paragraph 4 of this Exhibit "F".

4. **Inter Subarea Transfers of Rights.** A Party's Right in a (Source) Subarea may be transferred (by lease only) to a Party in another (Use) Subarea provided that in any Year the resulting unconsumed water in the Source Subarea due to all such transfers shall not be greater than the Replacement Water requirement of the Source Subarea in the preceding Year. Watermaster shall replace the resulting Consumptive Use in the Use Subarea that is attributable to the transfer, utilizing Replacement Water Assessments from the Source Subarea.

5. **Transfers to Meet Replacement Water or Makeup Water Obligations.** Watermaster may use Assessment proceeds to purchase or lease Rights in a Subarea in order to obtain water to meet an Obligation. The water so obtained shall be equal to the Consumptive Use portion of the transferred and unproduced Rights. No such purchases of leases of Rights in the Harper Lake Basin may be used to satisfy Obligations in other parts of the Centro Subarea.
6. **Inter Subarea Transfers of Water.** Water Produced in one (source) Subarea and exported to another Subarea for use or disposal shall bear a Replacement Water Obligation equal to the sum of the Production in excess of the Producer's share of the Free Production Allowance in the source Subarea plus the amount of water exported that would normally have been returned to the source Subarea. Such exported water shall be credited to the appropriate Subarea Obligation unless it has been purchased or leased as Replacement Water pursuant to a transfer agreement.

7. **Verde Ranch Producers.** Together the Spring Valley Lake Country Club ("the Country Club"), the Spring Valley Lake Association ("the Association"), the California Department of Fish and Game (DFG) Mojave Narrows Regional Park ("the Park") the Kemper Campbell Ranch ("the Ranch") comprise a group herein called the Verde Ranch Producers. Each Verde Ranch Producer has the ability physically both to Produce Groundwater and to Produce water that originated as tailwater flowing from the DFG Mojave River Fish Hatchery. DFG Producer Groundwater to supply the Hatchery, and Hatchery tailwater can be discharged in part or entirely to the Mojave River or in part or entirely to a lined channel that conveys tailwater to points where the Verde Ranch Producers can Produce it. The present flow regimen is as follows: Hatchery Production flows through the Hatchery and is then discharged to the River and/or the lined channel. Water discharged to the lined channel flows to a Country Club lake. The Country Club Produces Groundwater that is discharged to the Country Club lake. The Country Club property is irrigated by pumping from the Country Club lake. Water overflowing from the Country Club lake flows through a lined channel and

**JUDGMENT AFTER TRIAL EXHIBITS**
through other Country Club lakes, and finally is discharged to Spring Valley Lake. The Association Produces Groundwater that is discharged to Spring Valley Lake. Water overflowing from Spring Valley Lake flows to lakes in the Park. The Park Produces Groundwater that is discharged to the lakes in the Park. The Park also Produces Groundwater that is used directly for irrigation of the Park. The Park is also irrigated by pumping from the lakes in the Park. Water overflowing from the lakes in the Park is discharged to the Mojave River. Some water from the lakes in the Park also flows to a lake on the Ranch. The Ranch also Produces Groundwater. The Ranch is irrigated from the lake on the Ranch. No water flows on the surface from the Ranch property to the Mojave River.

In order to continue the present arrangements among the Hatchery and the Verde Ranch Producers while assuring that they participate fairly in the Physical Solution the following rules shall apply:

a. Total Production by the Country Club will be calculated as the sum of Country Club Groundwater Production plus inflow of Hatchery tailwater minus outflow to Spring Valley Lake. The Country Club shall monitor and report to Watermaster the amounts of such Groundwater Production, inflow and outflow.

b. Total Production by the Association will be calculated as the sum of Association Groundwater Production plus inflow from the Country Club minus outflow to the Park. The Association shall monitor and report to Watermaster the amounts of such Groundwater Production, inflow and outflow.
c. Total Production by the Park will be calculated as the sum of Park Groundwater Production plus inflow from the Association minus outflow to the Ranch minus outflow to the Mojave River. The Park shall monitor and report to Watermaster as to such Groundwater Production, inflow and outflows.

d. Total Production by the Ranch will be calculated as the sum of Ranch Groundwater Production plus inflow from the Park. The Ranch shall monitor and report to Watermaster the amounts of such Groundwater Production and inflow.

e. Hatchery Production up to 10,678 acre-feet per Year will be permitted free of any Assessments against the Hatchery. The Hatchery shall monitor and report to Watermaster its Groundwater Production and the amounts of tailwater discharged to the River and to the artificial channel. In any Year the Hatchery may Produce more than 10,678 acre-feet free of any Assessments against the Hatchery, provided such Production in excess of 10,678 acre-feet is reported as Groundwater Production by one or more of the Verde Ranch Producers in the same Year pursuant to operating agreements by and between the Hatchery and such Producer(s) filed with the Watermaster. The operating agreement shall specify the responsibility for payment of assessments. In the operating agreement, the Verde Ranch Producers may elect to have assessments be based on the aggregate Production of the Verde Ranch Producers, and may freely transfer Base Annual Production Rights internally, provided that the aggregate consumptive use of the Verde Ranch Producers shall not be increased. In the absence of such operating agreements, or if the operating agreements do not otherwise allocate responsibility for payment of Assessments, the Hatchery
shall be liable for Administrative, Replacement Water and Biological Resource Assessments on the amount of water produced by the Hatchery in excess of 10,678 acre-feet in any Year. In the event that Verde Ranch Producer who is allocated responsibility for payment of Assessments pursuant to an operating agreement is delinquent in making any such payment, the Hatchery shall not be liable therefor.

f. In any Year, if the total discharge to the River from the Hatchery and the Verde Ranch Producers exceeds the Groundwater Production by the Hatchery, such excess discharge shall be subject to Administrative, Replacement Water and, except for the Park, Biological Resource Assessments. Such Assessments shall be levied against individual Verde Ranch Producers in proportion to the extent that outflow from each Producer exceeds inflow to that Producer.

g. The Hatchery and the Verde Ranch Producers shall install all stage recorders, meters or other measuring devices necessary to determine inflows, outflows and Production that they are responsible for monitoring and reporting to Watermaster. Such stage recorders, meters or other measuring devices shall be installed, calibrated and operated in manner satisfactory to Watermaster.

h. Any change in the flow regimen described above will be subject to the same general rules set forth in this Paragraph 7. Any such change shall be reported to Watermaster in advance.

8. Harper Lake Basin. No Producer in the Harper Lake Basin may transfer any Base Annual Production Right or any portion thereof to Producers outside of Harper Lake Basin except by
physically conveying the water in compliance with the rules set forth in this Exhibit "F".
EXHIBIT G

SUBAREA OBLIGATIONS
EXHIBIT G

SUBAREA OBLIcATIONS

1. Subarea Obligations. Producers in the respective Subareas shall have the obligation to provide the following average Annual and minimum Annual Subsurface Flows and/or Base Flows per Year:

   a. Este Subarea Producers--200 acre-feet per Year of Subsurface Flow to the Alto Subarea, except that in any Year the Subsurface Flow obligation shall be not be less than 160 acre-feet plus one-third of any cumulative debit plus any additional amount of water required to reduce the cumulative debit to 200 acre-feet.

   b. Oeste Subarea Producers--800 acre-feet per Year of Subsurface Flow to the Alto Subarea, except that in any Year the Subsurface Flow obligation shall be not less than 640 acre-feet plus one-third of any cumulative debit plus any additional amount of water required to reduce the cumulative debit to 800 acre-feet.

   c. Centro Subarea Producers--1200 acre-feet per Year of Subsurface Flow to the Baja Subarea, except that in any Year the Subsurface Flow Obligation shall be not less than 960 acre-feet plus one-third of any cumulative debit plus any additional amount of water required to reduce the cumulative debit to 1200 acre-feet.

   d. Baja Subarea Producers--400 acre-feet per Year of Subsurface Flow toward Afton across the MWA eastern boundary, except that in any Year the Subsurface Flow Obligation shall not be less than 320 acre-feet plus one-third of any cumulative debit plus any additional amount of water required to reduce the cumulative debit to 400 acre-feet.
e. Alto Subarea Producers--an average Annual combined Subsurface Flow and Base Flow of 23,000 acre-feet per Year to the Transition Zone. For the purposes of Paragraph 6 of this Exhibit G, the Subsurface Flow component shall be deemed to be 2,000 acre-feet per Year. In any Year Alto Subarea Producers shall have an obligation to provide to the Transition Zone a minimum combined Subsurface Flow and Base Flow as follows:

1. If the accounting pursuant to Paragraph 5, below, reflects a net cumulative credit at the beginning of the Year, the combined minimum flow obligation shall be 18,400 acre-feet minus any net cumulative credit, but shall be not less than 15,000 acre-feet.

2. If the accounting pursuant to Paragraph 5, below, does not reflect a net cumulative credit at the beginning of the Year, the combined minimum flow obligation shall be 18,400 acre-feet plus one-third of any net cumulative debit plus any additional amount of water required to reduce the net cumulative debit to 23,000 acre-feet.

2. Obligation for Transition Zone Replacement Water.

a. Until the Court approves Groundwater levels to be established and maintained pursuant to Subparagraph 2b of this Exhibit, Watermaster shall provide Replacement Water in the Transition Zone equal to Production in the Transition Zone that is in excess of the Transition Zone Producers' share of the Alto Subarea Free Production Allowance for that Year. All such Replacement Water shall be provided as soon as practicable during the next ensuing Year.
b. As soon as is practicable, the MWA shall establish key wells to be used to monitor Groundwater levels in the Transition Zone and, subject to approval by the Court, Watermaster shall establish minimum water levels to be maintained in the key wells.

c. After water level elevations have been established pursuant to Subparagraph 2b of this Exhibit, Watermaster shall provide Replacement Water in the Transition Zone as necessary to maintain the minimum water levels. Water purchased with Replacement Water Assessments paid by Producers in the Transition Zone in excess of the quantity of water needed to maintain said water levels shall be provided elsewhere in the Alto Subarea.

3. Other Water. "Other Water" that may be credited to a Subarea Obligation may include water conveyed and discharged across a boundary or Free Production Allowance water that is not Produced. Water other than Base Flow, Subsurface Flow or Storm Flow that is conveyed and discharged across a boundary between Subareas other than pursuant to a transfer agreement, shall be credited or debited, as appropriate, to the pertinent Subarea Obligation during the Year in which it is so conveyed and discharged. Any portion of the Subarea's Free Production Allowance that is allowed to remain unproduced in a Subarea pursuant to transfer agreements in order to satisfy a Subarea Obligation shall be credited to the pertinent Subarea Obligation in accordance with the terms of the transfer agreements.

4. Makeup Water. Assessments for Makeup Water shall be paid in accordance with the time schedule set forth in Exhibit D.
Makeup Water shall be credited to the Subarea Obligation at the end of the Year in which the Makeup Water Assessment is paid.

5. **Accounting.** Watermaster shall Annually not later than February 1 cause to be prepared a report of the status of each Subarea Obligation as of the end of the prior Year. The report shall set forth at least the following information for each Subarea Obligation:

a. The cumulative total of the average Annual Subarea Obligations since the Judgment was entered as of the beginning of the prior Year;

b. The cumulative total of all water credited to the Subarea Obligation since the Judgment was entered as of the beginning of the prior Year;

c. The net cumulative credit or debit [the difference between (a) and (b)] as of the beginning of the prior Year;

d. The amounts of water credited to the Subarea Obligation during the prior Year including, as appropriate, Base Flow, Subsurface Flow, Other Water and Makeup Water;

e. The cumulative total of the average Annual Subarea Obligations as of the end of the prior Year;

f. The cumulative total of all water credited to the Subarea Obligation as of the end of the prior Year;

g. The net cumulative credit or debit as of the end of the prior Year;

h. Any Makeup Water Obligation;

i. The Minimum Subarea Obligation for the current Year.

6. **Subsurface Flow Assumptions.** Some Subarea Obligations are expressed as average Annual or minimum Annual Subsurface Flow.
In all cases the Subsurface Flow obligations have been established initially at amounts equal to the estimated historical average Subsurface Flow across Subarea boundaries. Not later than two years following entry of this Judgment MWA shall begin to install monitoring wells to be used to obtain data to enable improved estimates of Subsurface Flow at each Subarea boundary where there is a Subsurface Flow obligation and to develop methodology for future determinations of actual Subsurface Flow. Not later than ten years following entry of this Judgment Watermaster shall prepare a report setting forth the results of the monitoring program and the future methodology. Following opportunity for review of Watermaster's report by all Parties, Watermaster shall prepare a recommendation to the Court as to the likely accuracy of the estimated historical Subsurface Flows and any revision of Subarea Obligations that may be indicated. Pending Watermaster's report to the Court, Subsurface Flows shall be assumed to be equal to the Subsurface Flow obligations for purposes of accounting for compliance therewith.

7. **Example Calculation.** Table G-1 sets forth an example of Subarea Obligation accounting procedures using hypothetical flows.
### Table C-1: Hypothetical Example
Accounting for Compliance with Subarea Obligations

**Obligation of Subarea A to Subarea B**

**Average Annual:** 23,000 AFA (21,000 AFA Baseflow + 2,000 AFA Subsurface Flow)

**Minimum Annual:** 18,400 AFA + 1/3 of any net cumulative debit or 18,400 AFA - any net cumulative credit, but not less than 15,000 AFA

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**Flow During the Year (Hypothetical)**

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**Minimum Obligation During the Year**

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**Status at End of Year**

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**Following Year Minimum Obligation**

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18,400 + 1/3 of net cum. debit

Additional to reduce debit to 23,000

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18,400 - cum. credit, but not 15,000

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**Minimum Obligation**

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EXHIBIT H

BIOLOGICAL RESOURCE MITIGATION
EXHIBIT H

BIOLOGICAL RESOURCE MITIGATION

1. Protection of and Description of Existing Riparian Habitat. In arriving at a Physical Solution, the Parties have taken into consideration the water needs of the public trust resources of the Mojave Basin Area, including but not limited to, those species listed in Table H-1 within each of the areas as shown on Figure H-1 and the riparian habitat areas shown on Figure H-1 and described generally as follows:

   a. The area which extends, south to north, in the Alto Subarea, from the intersection of the north line of Section 36, Township 5 North, Range 4 West with the Mojave River channel to the United States Geological Survey gauging station at the Lower Narrows;

   b. The Lower Narrows to the Helendale Fault (Transition Zone);

   c. The Harvard/Eastern Baja Subarea reach of the Mojave River that extends west to east, from Harvard Road to the Iron Ranch/Iron Mountain area (0.5 miles east of the west line of Section 20, Township 10 North, Range 4 East).

2. Protection Pursuant to Physical Solution. The following aspects of the Physical Solution must be implemented to seek to achieve the water table standards set forth in Table H-2 which were proposed by DFG as being necessary to maintain and converse the riparian resources in the areas shown on Figure H-1, including the species listed in Table H-1:

   a. Pursuant to Paragraph 24(o) of the Judgment, the Watermaster in recommending an adjustment in Free Production
Allowance, shall compare the Free Production Allowance with the estimated Production Safe Yield. In the event the Free Production Allowance exceeds the estimated Production Safe Yield by five percent or more, Watermaster shall recommend a reduction of the Free Production Allowance equal to a full five percent of the aggregate Subarea Base Annual Production. In considering whether to increase or decrease the Free Production Allowance in a Subarea, Watermaster shall, among other factors, take into consideration for the areas shown on Figure H-1 the Consumptive Use of water by riparian habitat, the protection of public trust resources, including the species listed in Table H-1 and the riparian habitat areas shown on Figure H-1, and whether an increase would be detrimental to the protection of public trust resources.

b. If, pursuant to Paragraph 27, Watermaster buys or leases Free Production Allowance in the Baja Subarea below the Calico-Newberry Fault to satisfy the need for Replacement Water, priority shall be given to purchases or leases that will result in reducing Production in or near the area described in Subparagraph 1(c) of this Exhibit.

c. Pursuant to Paragraph 2 of Exhibit "G", Watermaster shall purchase Replacement Water to maintain Groundwater levels in the Transition Zone.

3. Additional Protection Pursuant to Trust Fund Established by Watermaster Using the Proceeds of Biological Resource Assessments.

a. Watermaster shall establish a Biological Resources Trust Fund account for the benefit of the riparian habitat areas shown on Figure H-1 and the species listed on Table H-1. To
establish and maintain the Trust Fund Watermaster shall levy
against each acre-foot of Production within the Basin Area, other
than Production by the California Department of Fish and Game
(DFG), a Biological Resource Assessment of fifty cents ($0.50)
(1993 dollars) to be collected at the same time and in the same
manner as the Administrative Assessment, except that no Biological
Resources Assessment shall be levied whenever the Trust Fund
account balance exceeds $1,000,000 (1993 dollars).

b. Watermaster shall make funds held in the Biological
Resources Trust Fund available to DFG only in the event that
Groundwater levels are not maintained as set forth in Table H-2.
Watermaster shall take action to acknowledge any proposed
expenditure from the Biological Resources Trust Fund by DFG. Such
Watermaster action shall be subject to the review procedures set
forth in Paragraph 36 of the Judgment, provided that any motion
made pursuant thereto and any Court disapproval of such Watermaster
action and proposed DFG expenditure may be based only: 1) on the
ground that the Groundwater levels set forth in Table H-2 are being
maintained; and/or 2) the ground that the proposed expenditure is
not for any of the purposes set forth in Subparagraphs 3.b.(i),
(ii), or (iii) below in this Exhibit. The Biological Resources
Trust Fund may be used only for the following purposes and only in
the three areas identified on Figure H-1:

i. not to exceed $100,000 for the preparation by DFG of
a DFG habitat water supply management plan, which plan shall
include the water needs of the species listed in Table H-1 and
the riparian habitat areas shown on Figure H-1.
ii. the purchase or lease by DFG of Supplemental Water or the lease or purchase of DFG of Base Annual Production Rights to be used to meet riparian habitat water needs of the species listed in Table H-1 and the riparian habitat areas shown on Figure H-1.

iii. the construction, repair and replacement of wells or other facilities identified in the plan prepared pursuant to Subparagraph (i), above, and/or any other measures necessary to implement the plan.

DFG shall not prepare or make any expenditure from the trust fund for the payment of administrative overhead or staff of DFG.

4. DFG agrees that absent substantial changed circumstances, DFG shall not seek to modify the provisions of this Judgment in any way to add to or change the above-stated measures to protect the referenced species or habitat. Nothing stated in this Judgment or in this Exhibit "H" is intended nor shall be deemed to relieve any Party hereto from any obligation or obligations not specifically referenced in this Exhibit H. Nothing in this Judgment or in this Exhibit H is intended or shall be construed to be a waiver by the State or any of its departments or agencies, including DFG, of its rights and obligations under the common law, the public trust doctrine, the constitution, statutes and regulations to preserve, protect or enhance the natural resources of the State including rare, threatened or endangered species or species of concern.
<table>
<thead>
<tr>
<th>SPECIES</th>
<th>ALTO</th>
<th>CENTRO</th>
<th>BAJA</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Forks Dam to Upper Narrows</td>
<td>Upper Narrows to Lower Narrows</td>
<td>Lower Narrows to Helendale</td>
<td>Helendale to Hodge</td>
<td>Hodge to Barstow</td>
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<td>Purple Monkeyflower</td>
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<td>Mohave Monkeyflower</td>
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<td>Desert Cymopterus</td>
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<td>Barstow Woolly Sunflower</td>
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<td>Victorville Shoulderband</td>
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<td>Mohave Tui Chub</td>
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<td>California Red-legged Frog</td>
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<td>San Diego horned Lizard</td>
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<tr>
<td>Cooper's Hawk</td>
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<tr>
<td>Ferruginous Hawk</td>
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<td>Swainson's Hawk</td>
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<tr>
<td>Bald Eagle</td>
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<td>Merlin</td>
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<td>Prairie Falcon</td>
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<td>Southwestern Willow Flycatcher</td>
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<td>Brown-crested Flycatcher</td>
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<td>Vermillion Flycatcher</td>
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<td>Le Conte's Thrasher</td>
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<td>Least Bell's Vireo</td>
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</table>
## TABLE H-1

**LIST OF SPECIES**

(CONT'D)

<table>
<thead>
<tr>
<th>SPECIES</th>
<th>ALTO</th>
<th>CENTRO</th>
<th>BAJA</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Forks Dam to Upper Narrows</td>
<td>Upper Narrows to Lower Narrows</td>
<td>Lower Narrows to Helendale</td>
</tr>
<tr>
<td>Yellow Warbler</td>
<td>9</td>
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<tr>
<td>Yellow-breasted Chat</td>
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<td>8</td>
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<tr>
<td>Summer Tanager</td>
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<tr>
<td>Pale Big Earred Bat</td>
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<tr>
<td>Mohave Ground Squirrel</td>
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<td>Mohave Vole</td>
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<tr>
<td>Nelson's Bighorn Sheep</td>
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<tr>
<td><strong>TOTAL NUMBER OF SPECIES</strong></td>
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<tr>
<td><strong>TOTAL NUMBER OF SPECIES IN EACH AREA:</strong></td>
<td><strong>25</strong></td>
<td><strong>11</strong></td>
<td><strong>7</strong></td>
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</tbody>
</table>

1 = Federally Endangered  
2 = Federally Threatened  
3 = State Endangered  
4 = State Threatened  
5 = Federal Category: 1  
6 = Federal Category: 2  
7 = Federal Category: 3b  
8 = State: Special Concern  
9 = State: Sensitive  
10 = State: Fully Protected
**TABLE H-2**

**RIPARIAN HABITAT MONITORING WELL WATER LEVEL CRITERIA**

<table>
<thead>
<tr>
<th>ZONE</th>
<th>WELL NUMBER</th>
<th>MAXIMUM DEPTH BELOW GROUND</th>
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</thead>
<tbody>
<tr>
<td>Victorville/Alto</td>
<td>H1-1</td>
<td>Seven (7) Feet</td>
</tr>
<tr>
<td>Victorville/Alto</td>
<td>H1-2</td>
<td>Seven (7) Feet</td>
</tr>
<tr>
<td>Lower Narrows/Transition</td>
<td>H2-1</td>
<td>Ten (10) Feet</td>
</tr>
<tr>
<td>Harvard/Eastern Baja Riparian Forest Habitat</td>
<td>H3-1</td>
<td>Seven (7) Feet</td>
</tr>
<tr>
<td>Harvard/Eastern Baja Surface Water Habitat</td>
<td>H3-2</td>
<td>Plus One (1) Foot (1705 Ft msl)*</td>
</tr>
</tbody>
</table>

* Surface Water Habitat water surface elevation of 1705 ft. msl is approximate pending ground elevation survey.